

Attorney Docket No. TS0777/US

**AMENDMENTS TO THE CLAIMS**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of the Claims:**

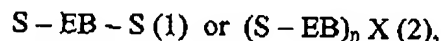
Please amend the claims as follows:

1. (Canceled)
2. (Canceled)
3. (Canceled)
4. (Canceled)
5. (Canceled)
6. (Canceled)
7. (Canceled)
8. (Canceled)
9. (Canceled)
10. (Canceled)

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11. (Currently Amended) A composition for the manufacture of fibers, filaments, melt blown or spun bond non-wovens or cast or blown films, comprising

(1) at least 50 wt% of a styrenic block copolymer, having a molecular structure according to the general formula



wherein each S independently is a polymer block of predominantly styrene and EB is a hydrogenated polymer block of predominantly butadiene, n is an integer equal to or greater than 2, and X is the residue of a coupling agent, having a poly(styrene) content in the range of from 10 to 29 wt%, having poly(styrene) blocks (S) of an apparent molecular weight in the range of from 6,000 to 9,000, having an apparent molecular weight of the complete block copolymer in the range of from 80,000 to 150,000, having an 1,2-addition degree (vinyl content) in the precursor of the poly (butadiene) block (EB) in the range of from 60 to 80% (mole/mole), wherein the block EB has a hydrogenation degree of at least 80 %, and wherein diblock S-EB optionally occurs in a content of at most 20 mole%;

(2) a polyolefin in an amount of from 10 to 30 wt%;

(3) a resin which is compatible with the poly(styrene) blocks selected from coumarone-indene resin, polyindene resin, poly(methyl indene) resin, polystyrene resin, vinyltoluene-alpha-methylstyrene resin, alpha-methylstyrene resin, and polyphenylene ether in an amount of at least 5 wt%, and

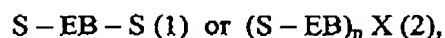
(4) a resin which is compatible with the hydrogenated polybutadiene blocks selected from compatible C<sub>5</sub> hydrocarbon resins, hydrogenated C<sub>5</sub> hydrocarbon resins, styrenated C<sub>5</sub> resins, C<sub>5</sub>/C<sub>9</sub> resins, styrenated terpene resins, fully hydrogenated or partially hydrogenated C<sub>9</sub> hydrocarbon resins, rosins esters, rosins derivatives and mixtures thereof in an amount of at least 3 wt%,

wherein all weight percentages are relative to the weight of the complete composition.

12. (Previously Presented) The composition of claim 11, wherein the poly(styrene) content is in the range of from 17 to 24 wt%.

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13. (Previously Presented) The composition of claim 12, wherein the poly(styrene) blocks (S) have an apparent molecular weight in the range of from 7,000 to 8,500.
14. (Currently Amended) The composition of claim 11, wherein the polyolefin is a polypropylene having a melt flow rate greater ~~then~~ than 400 gr/10 min (according to ASTM D1238-95).
15. (Previously Presented) The composition of claim 11, wherein the block EB of the block copolymer has a hydrogenation degree of at least 90%.
16. (Previously Presented) The composition of claim 14, wherein the block EB of the block copolymer has a hydrogenation degree of at least 95%.
17. (Previously Presented) The composition of claim 13, wherein the EB block precursor has an 1,2-addition degree (vinyl content) in the range of from 65 to 75%.
18. (Previously Presented) The composition of claim 16, wherein the EB block precursor has an 1,2-addition degree (vinyl content) in the range of from 65 to 75%.
19. (Previously Presented) The composition of claim 11, wherein any S-EB diblock occurs in a content of at most 10 mole%, relative to the total block copolymer amount.
20. (Previously Presented) The composition of claim 18, wherein any S-EB diblock occurs in a content of at most 10 mole%, relative to the total block copolymer amount.
21. (Currently Amended) Fibers, filaments, melt blown or spun bond non-wovens or cast or blown films, derived from a composition comprising
- (1) at least 50 wt% of a styrenic block copolymer, having a molecular structure according to the general formula



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wherein each S independently is a polymer block of predominantly styrene and EB is a hydrogenated polymer block of predominantly butadiene, n is an integer equal to or greater than 2, and X is the residue of a coupling agent, having a poly(styrene) content in the range of from 10 to 29 wt%, having poly(styrene) blocks (S) of an apparent molecular weight in the range of from 6,000 to 9,000, having an apparent molecular weight of the complete block copolymer in the range of from 80,000 to 150,000, having an 1,2-addition degree (vinyl content) in the precursor of the poly (butadiene) block (EB) in the range of from 60 to 80% (mole/mole), wherein the block EB has a hydrogenation degree of at least 80 %, and wherein diblock S-EB optionally occurs in a content of at most 20 mole%;

(2) a polyolefin in an amount of from 10 to 30 wt%;

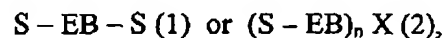
(3) a resin which is compatible with the poly(styrene) blocks selected from coumarone-indene resin, polyindene resin, poly(methyl indene) resin, polystyrene resin, vinyltoluene-alpha-methylstyrene resin, alpha-methylstyrene resin, and polyphenylene ether in an amount of at least 5 wt%, and

(4) a resin which is compatible with the hydrogenated polybutadiene blocks selected from compatible C<sub>5</sub> hydrocarbon resins, hydrogenated C<sub>5</sub> hydrocarbon resins, styrenated C<sub>5</sub> resins, C<sub>5</sub>/C<sub>9</sub> resins, styrenated terpene resins, fully hydrogenated or partially hydrogenated C<sub>9</sub> hydrocarbon resins, rosins esters, rosins derivatives and mixtures thereof in an amount of at least 3 wt%,

wherein all weight percentages are relative to the weight of the complete composition; processing aids; and stabilizing ingredients.

22. (Currently Amended) A styrenic block copolymer, wherein

- i. the poly(styrene) content (PSC) is from 17 to 24 wt%,
- ii. the styrenic block copolymer has a molecular structure according to the general formula



wherein each S independently is a polymer block of styrene and EB is a hydrogenated polymer block of butadiene, n is an integer equal to or greater than 2, and X is the residue

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of a coupling agent,

- iii. the apparent molecular weight of the poly(styrene) blocks (S) is in the range of from ~~7,000 to 8,500~~ 6,000 to 9,000,
- iv. the apparent molecular weight of the complete styrenic block copolymer is in the range of from 80,000 to 150,000,
- v. the ~~1,2-addition~~ 1,2-addition degree (vinyl content) in the precursor poly (butadiene) block (EB) precursor is in the range of from 60 to 80 (mole/mole),
- vi. the block EB has a hydrogenation degree of at least 80%, and
- vii. an optional diblock S-EB content of at most 20 mole%, relative to the total block copolymer amount.

23. (Previously Presented) The styrenic block copolymer of claim 22, wherein the hydrogenation degree of the EB block is at least 90%.

24. (Previously Presented) The styrenic block copolymer of claim 22, wherein the hydrogenation degree of the EB block is at least 95%.

25. (Previously Presented) The styrenic block copolymer of claim 24, wherein the 1,2-addition degree in the EB block is in the range of from 65 to 75%.

26. (Previously Presented) The styrenic block copolymer of claim 22, wherein the apparent molecular weight of the styrenic block copolymer is in the range from 100,000 to 120,000.

27. (Previously Presented) The styrenic block copolymer of claim 24, wherein the apparent molecular weight of the styrenic block copolymer is in the range from 100,000 to 120,000.

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28. (Previously Presented) The styrenic block copolymer of claim 23, wherein the apparent molecular weight of the styrenic block copolymer is in the range from 100,000 to 120,000.
29. (New) The composition of claim 12 wherein the poly(styrene) blocks (S) have an apparent molecular weight in the range of from 6,000 to 7,000.
30. (New) The composition of claim 29 wherein the apparent molecular weight of the complete block copolymer is in the range of from 100,000 to 150,000.
31. (New) The composition of claim 30 wherein the 1,2-addition degree (vinyl content) in the precursor of the poly(butadiene) block (EB) is in the range of from 65 to 80% (mole/mole).
32. (New) The composition of claim 30 wherein the 1,2-addition degree (vinyl content) in the precursor of the poly(butadiene) block (EB) is in the range of from 75 to 80% (mole/mole).
33. (New) The composition of claim 32 wherein the block EB has a hydrogenation degree of at least 90%.
34. (New) The composition of claim 33 wherein the polyolefin is a polypropylene having a melt flow rate greater than 400 gr/10 min (according to ASTM D1238-95).
35. (New) The fibers, filaments, melt blow or spun bond non-wovens or cast or blown films of claim 21 wherein the poly(styrene) blocks (S) have an apparent molecular weight in the range of from 6,000 to 7,000.

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36. (New) The fibers, filaments, melt blow or spun bond non-wovens or cast or blown films of claim 35 wherein the apparent molecular weight of the complete block copolymer is in the range of from 100,000 to 150,000.
37. (New) The fibers, filaments, melt blow or spun bond non-wovens or cast or blown films of claim 36 wherein the 1,2-addition degree (vinyl content) in the precursor of the poly(butadiene) block (EB) is in the range of from 65 to 80% (mole/mole).
38. (New) The fibers, filaments, melt blow or spun bond non-wovens or cast or blown films of claim 36 wherein the 1,2-addition degree (vinyl content) in the precursor of the poly(butadiene) block (EB) is in the range of from 75 to 80% (mole/mole).
39. (New) The fibers, filaments, melt blow or spun bond non-wovens or cast or blown films of claim 38 wherein the block EB has a hydrogenation degree of at least 90%.
40. (New) The fibers, filaments, melt blow or spun bond non-wovens or cast or blown films of claim 39 wherein the polyolefin is a polypropylene having a melt flow rate greater than 400 gr/10 min (according to ASTM D1238-95).
41. (New) The block copolymer of claim 22 wherein the poly(styrene) blocks (S) have an apparent molecular weight in the range of from 6,000 to 8,500.
42. (New) The block copolymer of claim 41 wherein the poly(styrene) blocks (S) have an apparent molecular weight in the range of from 6,000 to 7,000.
43. (New) The block copolymer of claim 42 wherein the apparent molecular weight of the complete block copolymer is in the range of from 100,000 to 150,000.

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44. (New) The block copolymer of claim 43 wherein the 1,2-addition degree (vinyl content) in the precursor of the poly(butadiene) block (EB) is in the range of from 65 to 80% (mole/mole).
45. (New) The block copolymer of claim 43 wherein the 1,2-addition degree (vinyl content) in the precursor of the poly(butadiene) block (EB) is in the range of from 75 to 80% (mole/mole).
46. (New) The block copolymer of claim 45 wherein the block EB has a hydrogenation degree of at least 90%.
47. (New) The block copolymer of claim 46 wherein the polyolefin is a polypropylene having a melt flow rate greater than 400 gr/10 min (according to ASTM D1238-95).